

80190-580-01-R

PowerFlex 7000 drive processor module

Documented PowerFlex 7000 control-platform service function

PRODUCT SNAPSHOT

BRAND

Allen-Bradley

FAMILY

Allen-Bradley PowerFlex 7000 medium-voltag

PART

80190-580-01-R

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PRODUCT OVERVIEW

Documented PowerFlex 7000 control-platform service function

1

Uses the complete manufacturer catalog identity

2

Supports a documented PowerFlex 7000 service position

3

Requires exact revision and connector matching

4

Retains the approved drive project configuration

SYSTEM COMPONENTS

PowerFlex 7000 medium-voltage drive

documented drive control platform

matching keyed connectors

approved drive project and firmware record

TECHNICAL NOTE

Verify the complete 80190-580-01-R marking, hardware revision, installed drive position, keyed connectors and approved PowerFlex 7000 project before removal; after installation, restore only the recorded configuration and complete the drive diagnostic sequence.

TECHNICAL DATA

PARAMETER	VALUE
Catalog number	80190-580-01-R
Board designation	DPM

PARAMETER	VALUE
Board type	Drive Processor Board
Drive platform	PowerFlex 7000

ENGINEERING NOTE

Verify the complete 80190-580-01-R marking, hardware revision, installed drive position, keyed connectors and approved PowerFlex 7000 project before removal; after installation, restore only the recorded configuration and complete the drive diagnostic sequence.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330851-02-000-080-10-00-00	Related industrial automation product	View Bently Nevada 330851-02-000-080-10-00-00 page
Bently Nevada 330851-01-000-020-10-00-00	Related industrial automation product	View Bently Nevada 330851-01-000-020-10-00-00 page
Bently Nevada 330850-91-05	Related industrial automation product	View Bently Nevada 330850-91-05 page
Bently Nevada 330876-01-50-01-05	Related industrial automation product	View Bently Nevada 330876-01-50-01-05 page
Bently Nevada 330876-03-10-00-00	Related industrial automation product	View Bently Nevada 330876-03-10-00-00 page
Bently Nevada 32000-28-05-15-080-03-02	Related industrial automation product	View Bently Nevada 32000-28-05-15-080-03-02 page
Bently Nevada 32000-28-05-08-080-03-02	Related industrial automation product	View Bently Nevada 32000-28-05-08-080-03-02 page
Bently Nevada 31000-16-10-00-050-03-02	Related industrial automation product	View Bently Nevada 31000-16-10-00-050-03-02 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

PowerFlex 7000 maintenance service

Uses the complete manufacturer catalog identity

Drive control-platform restoration

Supports a documented PowerFlex 7000 service position

Planned shutdown replacement

Requires exact revision and connector matching

Commissioning configuration verification

Retains the approved drive project configuration

PRODUCT PRECAUTIONS

- 1 Verify the complete 80190-580-01-R marking and its assigned Allen-Bradley PowerFlex 7000 medium-voltage drive position before work.
- 2 Place the connected powerflex 7000 maintenance service process in the approved maintenance state.
- 3 Isolate applicable power and documented powerflex 7000 control-platform service function field energy before disconnecting conductors.
- 4 Record connector, conductor, address, firmware and software identities before removal.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
- 6 Confirm the installed PowerFlex 7000 medium-voltage drive and documented drive control platform against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended drive control-platform restoration function and retain the final test result.

ENGINEER FAQ

Q1 Does 80190-580-01-R match PowerFlex 7000 medium-voltage drive in a PowerFlex 7000 maintenance service installation?

Verify the complete 80190-580-01-R marking, the documented Allen-Bradley PowerFlex 7000 medium-voltage drive position and the installed PowerFlex 7000 medium-voltage drive before fitting the assembly.

Q3 Which Allen-Bradley PowerFlex 7000 medium-voltage drive records should be captured before removing 80190-580-01-R?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 80190-580-01-R before disconnection.

Q5 Which documented drive control platform condition should be checked when 80190-580-01-R reports an abnormal state?

Check the documented drive control platform supply, seating and connection first, then compare channel diagnostics with the recorded 80190-580-01-R baseline.

Q7 What maintenance evidence is required after 80190-580-01-R is used for Planned shutdown replacement?

Retain the nameplate record, corrective action, final diagnostics and a controlled planned shutdown replacement functional-test result for 80190-580-01-R.

Q2 How should 80190-580-01-R be wired when it must uses the complete manufacturer catalog identity?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 80190-580-01-R; then continuity-test the affected path.

Q4 What controlled test confirms that 80190-580-01-R can supports a documented powerflex 7000 service position?

Apply the approved field or simulated stimulus, observe the Allen-Bradley PowerFlex 7000 medium-voltage drive indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 80190-580-01-R be moved directly into Drive control-platform restoration without validating approved drive project and firmware record?

No. Confirm the approved drive project and firmware record, revision, connection scheme and Allen-Bradley PowerFlex 7000 medium-voltage drive configuration before transferring 80190-580-01-R to that duty.

Q8 How should 80190-580-01-R be returned to service in Commissioning configuration verification?

Restore power under control, verify requires exact revision and connector matching, exercise the intended signal path and release 80190-580-01-R only after the Allen-Bradley PowerFlex 7000 medium-voltage drive remains in its approved operating state.

SOURCE Rockwell Automation PowerFlex 7000 Medium Voltage AC Drive Troubleshooting Guide | 7000-TG002

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